# Traffic Impact Regulations (Chapter 527) Technical Overview

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# Traffic Impact Regulations

Becomes effective July 1, 2006

- Implements provisions of Chapter 527
  - Thresholds
  - Study elements
  - Default assumptions

# **Thresholds**

## **Sets thresholds for submission**

- Comprehensive Plans and Amendments
  - Increase current expected traffic by 5000 VPD
    - » 525 home Subdivision
    - » 720,000 square foot Light Industrial Center
    - » 117,000 square foot Shopping Center
  - Substantial changes to transportation infrastructure
    - » Such as recommending new county thoroughfare, or
    - » Reconstruction/relocation of a current arterial roadway

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# Thresholds (cont'd)

- Rezonings and Site Plans
  - Residential site generating 100 VPH
    - » 100 home Subdivision
    - » 345 unit Retirement Community
  - Other site generating 250 VPH
    - » 50,000 square foot Supermarket
    - » 19 pump Gas Station/Convenience Market
    - » 170,000 square foot General Office
  - On low-volume roads, residential site that generates 200 VPD <u>and</u> at least doubles existing volume
  - For localities that maintain their own roads, only if within 3000' of VDOT roadway

# **Study Elements**

## **Required elements of a TIS**

- Contingent upon trips generated
  - Existing and Proposed land use
  - Existing traffic and LOS
  - Expected future traffic and LOS (without development)
  - Expected future traffic and LOS (with proposed development)
  - Recommendations for traffic impact mitigation measures
  - Bicycle, Pedestrian and Transit LOS
  - Conclusions

# Default Assumptions

## Sets out standard methodology and default assumptions

- Default assumptions are conservative
- Methodology and assumptions can be modified based upon results of scoping meeting
- Covers factors such as:
  - Data collection
  - Trip generation
  - Internal capture and bypass trip rates
  - Background traffic growth projections
  - Level of service calculation
  - Trip reductions (modal split)